Journal of Manufacturing Science and Engineering

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, E indicates Errata, and D indicates Discussion.

Abu-Aesh, M., and Hindy, Moataza — Evaluation of the Role of Eddy Current in Resistance Spot Welding. **131**, 061007
Aguirre-Cruz, Juan A. — (see Gilbert, Robin C.) **131**, 041001
Akhtar, S. S., Arif, A. F. M., and Yilbas, B. S. — Performance of Al-6063 Primary and Secondary Billets Used in Hot Aluminum Extrusion. **131**, 054502(TB)
Altintas, Y. — (see Eynian, M.) **131**, 041005
Altintas, Yusuf — (see Sencer, Burak) **131**, 031006
_____ (see Sencer, Burak) **131**, 031007
Ambani, Saumil, Li, Lin, and Ni, Jun — Condition-Based Maintenance Decision-Making for Multiple Machine Systems. **131**, 031009
Andersson, Carin — (see Vedmar, Lars) **131**, 061003
Aour, B., Zaïri, F., Naït-Abdelaziz, M., Gloaguen, J. M., and Lefebvre, J. M. — Finite Element Analysis of Plastic Strain Distribution in Multipass ECAE Process of High Density Polyethylene. **131**, 031016
Araya, Francisco — (see Elías-Zúñiga, Alex) **131**, 064504(TB)
Arif, A. F. M. — (see Akhtar, S. S.) **131**, 054502(TB)
Arola, D. — (see Sadasivam, B.) **131**, 011010

Balasubramanian, M., Jayabalan, V., and Balasubramanian, V. — Effect of Pulsed Current Gas Tungsten Arc Welding Parameters on Microstructure of Titanium Alloy Welds. **131**, 064502(TB)
Balasubramanian, V. — (see Balasubramanian, M.) **131**, 064502(TB)
Barletta, M., Gisario, A., Guarino, S., and Rubino, G. — Production of Open Cell Aluminum Foams by Using the Dissolution and Sintering Process (DSP). **131**, 041009
Bellan, Leon M., and Craighead, Harold G. — Nanomanufacturing Using Electrospinning. **131**, 034001
Beltran, Michael — (see Cao, Jian) **131**, 064505(TB)
Berry, J. T. — (see Wang, L.) **131**, 051008
Bhatla, Anubha, and Yao, Y. Lawrence — Effect of Laser Surface Modification on the Crystallinity of Poly(L-Lactic Acid). **131**, 051004
Bojanic, P. — (see Tanovic, LJ.) **131**, 064507(TB)
Bonnemains, Thomas, Chanal, Hélène, Bouzgarrou, Belhassen-Chedli, and Ray, Pascal — Stiffness Computation and Identification of Parallel Kinematic Machine Tools. **131**, 041013
Bouzgarrou, Belhassen-Chedli — (see Bonnemains, Thomas) **131**, 041013
Bowman, R. Alan — Efficient Gradient-Based Tolerance Optimization Using Monte Carlo Simulation. **131**, 031005
Brun, Xavier F., and Melkote, Shreyes N. — Modeling and Prediction of the Flow, Pressure, and Holding Force Generated by a Bernoulli Handling Device. **131**, 031018
Bryant, Frances D., and Leu, Ming C. — Predictive Modeling and Experimental Verification of Temperature and Concentration in Rapid Freeze Prototyping With Support Material. **131**, 041020
Budak, E., and Tunc, L. T. — A New Method for Identification and Modeling of Process Damping in Machining. **131**, 051019

Cai, Chun-Bo — (see Zhang, Hua-Jun) **131**, 021004
Cai, Wayne — (see Lin, Guosong) **131**, 051009
Campbell, Benjamin, and Tiryakioğlu, Murat — Quantitative Analysis of Holes Produced in Laser Micromachining: A New Quality Index. **131**, 031011
Cao, Jian, Yuan, Wenqiao, Pei, Z. J., Davis, Tiffany, Cui, Yan, and Beltran, Michael — A Preliminary Study of the Effect of Surface Texture on Algae Cell Attachment for a Mechanical-Biological Energy Manufacturing System. **131**, 064505(TB)
Carlson, Johan S. — (see Wärmefjord, Kristina) **131**, 051017
Carrino, L. — (see Sorrentino, L.) **131**, 041002
Chakravarty, D. P. — (see Kore, S. D.) **131**, 034502(TB)
Chanal, Hélène — (see Bonnemains, Thomas) **131**, 041013
Chandran, K. S. Ravi — (see Sanders, Anthony P.) **131**, 031001
Chang, Der-Form — (see Wang, Jyhwen) **131**, 011012
Chang, Tzyy-Shuh — (see Pan, Ershun) **131**, 061008
Chen, J. K. — (see Zhou, Jianhua) **131**, 031004
Chen, Lei — (see Li, Jianhui) **131**, 011008
Chen, X. B. — (see Li, M. G.) **131**, 034501(TB)
Chen, Xiang — (see Yang, Tiebao) **131**, 011003
Chen, Yang — (see Wang, Fei) **131**, 011014
Chen, Yong — (see Zhou, Chi) **131**, 061004
Chen, Zezhong C., and Liu, Gang — An Intelligent Approach to Multiple Cutters of Maximum Sizes for Three-Axis Milling of Sculptured Surface Parts. **131**, 014501(TB)
Cheng, Gary J. — (see Gao, Huang) **131**, 051011
_____ (see Zhu, Xiangqun) **131**, 054503(TB)
Cheng, Patrick — (see Yang, Tiebao) **131**, 011003
Cheng, X. — (see Wang, Z. G.) **131**, 041006
Chew, Chee-Meng — (see Zheng, Yu) **131**, 041010
Cho, Seong Wook — (see Lee, Dongyul) **131**, 041012
Chu, Yeou-li — (see Yang, Tiebao) **131**, 011003
Chun, Jung-Hoon — (see Hsiao, Wen-Kai) **131**, 021010
Chung, Haseung — (see Shin, Seungwon) **131**, 024501(TB)
Colás, Rafael — (see Morales, Fernando) **131**, 014502(TB)
Craig, James E. — (see Wang, Liang) **131**, 041019
Craighead, Harold G. — (see Bellan, Leon M.) **131**, 034001
Croft, Elizabeth — (see Sencer, Burak) **131**, 031006
Cui, Jie — (see Perivilli, Satish) **131**, 011007
Cui, Yan — (see Cao, Jian) **131**, 064505(TB)

Dai, Qixun — (see Zhu, Xiangqun) **131**, 054503(TB)
Daidié, Alain — (see Mathurin, Florestan) **131**, 041015
Date, P. P. — (see Kore, S. D.) **131**, 034502(TB)
Davis, Tiffany — (see Cao, Jian) **131**, 064505(TB)
Delplanque, J.-P. — (see Wang, Z. G.) **131**, 041006
Desai, S. V. — (see Kore, S. D.) **131**, 034502(TB)
DeVor, R. E. — (see Samuel, J.) **131**, 031008
Dikshit, A. — (see Samuel, J.) **131**, 031008
Ding, Han — (see Zhu, LiMin) **131**, 011006
_____ (see Zhu, LiMin) **131**, 041017
Dixit, U. S. — (see Sarma, D. K.) **131**, 064506(TB)
Djurdjanovic, Dragan — (see Mears, Laine) **131**, 051006
Dong, Z. H. — (see Lei, M. K.) **131**, 031013
Downey, Larry M. — (see Suprock, Christopher A.) **131**, 021003
Du, Hao — (see Izquierdo, L. Eduardo) **131**, 041008
Duffie, Neil A. — (see Perry, Tyler L.) **131**, 021002
_____ (see Perry, Tyler L.) **131**, 031002

Ehmann, Kornel — (see Greco, Aaron) **131**, 061005
Ehmann, Kornel F. — Retired Associate Editors. **131**, 050201(ED)
Elías-Zúñiga, Alex, Pacheco-Bolívar, Jovanny, Araya, Francisco, Martínez-López, Alejandro, Martínez-Romero, Oscar, and Rodríguez, Ciro A. — Stability Predictions for End Milling Operations With a Nonlinear Cutting Force Model. **131**, 064504(TB)
El Kadiri, H. — (see Wang, L.) **131**, 051008
Elwany, Alaa, and Gebraeel, Nagi — Real-Time Estimation of Mean Remaining Life Using Sensor-Based Degradation Models. **131**, 051005
Ersoy, Ugur — (see Gao, Dalong) **131**, 061002
Eynian, M., and Altintas, Y. — Chatter Stability of General Turning Operations With Process Damping. **131**, 041005

Felicelli, S. D. — (see Wang, L.) **131**, 051008
Felicelli, Sergio D. — (see Wang, Liang) **131**, 041019
Fischer, Anath — (see Miropolsky, Alexander) **131**, 051001

Gao, Dalong, Ersoy, Ugur, Stevenson, Robin, and Wang, Pei-Chung — A New One-Sided Joining Process for Aluminum Alloys: Friction Stir Blind Riveting. **131**, 061002
Gao, Hong-Ming — (see Zhang, Hua-Jun) **131**, 021004
Gao, Huang, Ye, Chang, and Cheng, Gary J. — Deformation Behaviors and Critical Parameters in Microscale Laser Dynamic Forming. **131**, 051011
Gea, Hae Chang — (see Lin, Po Ting) **131**, 011011
Gebraeel, Nagi — (see Elwany, Alaa) **131**, 051005
Geskin, E. S. — (see Kluz, K.) **131**, 061009
Ghassemieh, E. — (see Siddiq, A.) **131**, 041007
Gilbert, Robin C., Raman, Shivakumar, Trafalis, Theodore B., Obeidat, Suleiman M., and Aguirre-Cruz, Juan A. — Mathematical Foundations for Form Inspection and Adaptive Sampling. **131**, 041001
Gisario, A. — (see Barletta, M.) **131**, 041009
Gloaguen, J. M. — (see Aour, B.) **131**, 031016
Greco, Aaron, Raphaelson, Steven, Ehmann, Kornel, Wang, Q. Jane, and Lin, Chih — Surface Texturing of Tribological Interfaces Using the Vibromechanical Texturing Method. **131**, 061005
Guarino, S. — (see Barletta, M.) **131**, 041009
Guillot, Jean — (see Mathurin, Florestan) **131**, 041015
Guo, D. M. — (see Qin, Na) **131**, 041011
Guo, Y. B. — (see Warren, A. W.) **131**, 041004
_____ (see Zhang, Song) **131**, 051003

Han, X. G. — (see Lei, M. K.) **131**, 031013
Hasaka, Noboru — (see Yamamoto, Koji) **131**, 051002
Hashimoto, Hiromu — Optimization of Wind-Up Tension of Webs Preventing Wrinkles and Slippage. **131**, 054501(TB)
Hindy, Moataza — (see Abu-Aesh, M.) **131**, 061007
Hizal, A. — (see Sadasivam, B.) **131**, 011010
Horstemeyer, M. F. — (see Wang, L.) **131**, 051008
Hou, Bo — (see Wang, Wu-rong) **131**, 064501(TB)
Hsia, K. J. — (see Samuel, J.) **131**, 031008
Hsiao, Wen-Kai, Chun, Jung-Hoon, and Saka, Nannaji — The Effects of Wetting and Surface Roughness on Liquid Metal Droplet Bouncing. **131**, 021010
Hsieh, Jung-Fa — Mathematical Modeling of a Complex Helical Drill Point. **131**, 061006
Hu, Henry — (see Yang, Tiebao) **131**, 011003
Hu, Jun — (see Hu, Yongxiang) **131**, 031017
Hu, S. Jack — (see Izquierdo, L. Eduardo) **131**, 041008
_____ (see Lin, Guosong) **131**, 051009
_____ (see Ko, Jeonghan) **131**, 051012
Hu, Yongxiang, Yao, Zhenqiang, and Hu, Jun — An Analytical Model to Predict Residual Stress Field Induced by Laser Shock Peening. **131**, 031017
Huang, Jhong-Bin — (see Tseng, Yih-Tun) **131**, 041016
Huang, Shuhong — (see Wang, Yong) **131**, 051015
Huang, Wenzhen — (see Kong, Zhenyu) **131**, 051010
Huang, Yong — (see Wang, Wei) **131**, 051013
Huang, Yu-Hsuan — (see Wang, Jyhwen) **131**, 011012
Hyun, Chung-Min — (see Kim, Young-Bum) **131**, 021007

Indacochea, J. E. — (see Polar, A.) **131**, 031012
Izquierdo, L. Eduardo, Hu, S. Jack, Du, Hao, Jin, Ran, Jee, Haeseong, and Shi, Jianjun — Robust Fixture Layout Design for a Product Family Assembled in a Multistage Reconfigurable Line. **131**, 041008

Jaluria, Yogesh — (see Lin, Po Ting) **131**, 011011
Jayabalan, V. — (see Balasubramanian, M.) **131**, 064502(TB)
Jee, Haeseong — (see Izquierdo, L. Eduardo) **131**, 041008
_____ (see Lee, Dongyul) **131**, 041012
Jin, Ran — (see Izquierdo, L. Eduardo) **131**, 041008
Johnson, David H. — (see Kronenberger, Thomas J.) **131**, 031003
_____ (see Khalilollahi, Amir) **131**, 064503(TB)

Kalya, Prabhanjana — (see Zhao, Xin) **131**, 021001
Kannatey-Asibu, Elijah, Jr. — (see Lee, Dongkyun) **131**, 021005
Kapoor, S. G. — (see Samuel, J.) **131**, 031008
Kar, Kamal K., Ravikumar, N. L., Tailor, Piyushkumar B., Ramkumar, J., and Sathiyamoorthy, D. — Preferential Media for Abrasive Flow Machining. **131**, 011009
Khalilollahi, Amir, Johnson, David H., and Roth, John T. — A Comparative Multifield FEA and Experimental Study on the Enhanced Manufacturability of 6061-T6511 Aluminum Using dc Current. **131**, 064503(TB)
Kim, Dave (Dae-Wook) — (see Sun, Li) **131**, 061001
Kim, Yong-Ha — (see Sun, Li) **131**, 061001
Kim, Young-Bum, Park, Jung-Seo, Shin, Jong-Gye, Hyun, Chung-Min, and Ko, Kwang-Hee — The Determination of Heating Shapes and Locations for Triangle Heating. **131**, 021007
Klimenko, S. — (see Tanovic, LJ.) **131**, 064507(TB)
Klocke, Fritz — (see Wang, Fei) **131**, 011014
Kluz, K., and Geskin, E. S. — High Strain, High Strain Rate Forming of Difficult to Deform Tubular Parts. **131**, 061009
Ko, Jeonghan, and Hu, S. Jack — Manufacturing System Design Considering Stochastic Product Evolution and Task Recurrence. **131**, 051012
Ko, Kwang-Hee — (see Kim, Young-Bum) **131**, 021007
Kobayashi, S. — (see Wang, Z. G.) **131**, 041006
Koç, Muammer — (see Mahabunphachai, Sasawat) **131**, 041003
Komori, Masaharu — (see Kondo, Yohan) **131**, 051016
Kondo, Yohan, Sasajima, Kazuyuki, Osawa, Sonko, Sato, Osamu, and Komori, Masaharu — Development of a Novel Artifact as a Reference for Gear Pitch Measuring Instruments. **131**, 051016
Kong, Zhenyu, Huang, Wenzhen, and Oztekin, Asil — Variation Propagation Analysis for Multistation Assembly Process With Consideration of GD&T Factors. **131**, 051010
Kore, S. D., Date, P. P., Kulkarni, S. V., Kumar, S., Kulkarni, M. R., Desai, S. V., Rajawat, R. K., Nagesh, K. V., and Chakravarty, D. P. — Electromagnetic Impact Welding of Al-to-Al–Li Sheets. **131**, 034502(TB)
Krishnamurthy, K. — (see Zhao, Xin) **131**, 021001
Kronenberger, Thomas J., Johnson, David H., and Roth, John T. — Coupled Multifield Finite Element Analysis Model of Upsetting Under an Applied Direct Current. **131**, 031003
Kulkarni, M. R. — (see Kore, S. D.) **131**, 034502(TB)
Kulkarni, S. V. — (see Kore, S. D.) **131**, 034502(TB)
Kumar, S. — (see Kore, S. D.) **131**, 034502(TB)
Kurfess, Thomas — (see Mears, Laine) **131**, 051006

Kwon, Ki Eak — (see Lee, Dongyul) **131**, 041012
Kwon, Patrick — (see Sun, Li) **131**, 061001
Kysar, Jeffrey W. — (see Vukelic, Sinisa) **131**, 031015
____ (see Wang, Youneng) **131**, 041014

Landers, Robert G. — (see Zhao, Xin) **131**, 021001
Lee, Cheol W. — Dynamic Optimization of the Grinding Process in Batch Production. **131**, 021006
Lee, Curtis — (see Sanders, Anthony P.) **131**, 031001
Lee, Dongkyun, and Kannatey-Asibu, Elijah, Jr. — Numerical Analysis of Ultrashort Pulse Laser-Material Interaction Using ABAQUS. **131**, 021005
Lee, Dongyul, Kwon, Ki Eak, Lee, Jaeyeol, Jee, Haeseong, Yim, Hyunjune, Cho, Seong Wook, Shin, Jong-Gye, and Lee, Gyubong — Tolerance Analysis Considering Weld Distortion by Use of Pregenerated Database. **131**, 041012
Lee, Gyubong — (see Lee, Dongyul) **131**, 041012
Lee, Jaeyeol — (see Lee, Dongyul) **131**, 041012
Lefebvre, J. M. — (see Aour, B.) **131**, 031016
Lei, M. K., Zhu, X. P., Liu, C., Xin, J. P., Han, X. G., Li, P., Dong, Z. H., Wang, X., and Miao, S. M. — A Novel Shock Processing by High-Intensity Pulsed Ion Beam. **131**, 031013
Lei, Shuting — (see Shen, Xinwei) **131**, 051007
Leone, A. — (see Sorrentino, L.) **131**, 041002
Leu, Daw-Kwei — Modeling of Size Effect on Tensile Flow Stress of Sheet Metal in Microforming. **131**, 011002
Leu, Ming C. — (see Bryant, Frances D.) **131**, 041020
Li, Dequn — (see Li, Jianhui) **131**, 011008
Li, Gang — (see Wang, Wei) **131**, 051013
Li, Jianhui, Chen, Lei, Zhou, Huamin, and Li, Dequn — Surface Model Based Modeling and Simulation of Filling Process in Gas-Assisted Injection Molding. **131**, 011008
Li, L. — (see Sezer, H. K.) **131**, 051014
Li, Lin — (see Ambani, Saumil) **131**, 031009
____, **You, Mingyi, and Ni, Jun** — Reliability-Based Dynamic Maintenance Threshold for Failure Prevention of Continuously Monitored Degrading Systems. **131**, 031010
____ (see Wang, Yong) **131**, 051015
Li, M. G., Tian, X. Y., and Chen, X. B. — Modeling of Flow Rate, Pore Size, and Porosity for the Dispensing-Based Tissue Scaffolds Fabrication. **131**, 034501(TB)
Li, P. — (see Lei, M. K.) **131**, 031013
Li, Xiaochun — (see Perry, Tyler L.) **131**, 021002
____ (see Perry, Tyler L.) **131**, 031002
Lin, Chih — (see Greco, Aaron) **131**, 061005
Lin, Guosong, Hu, S. Jack, and Cai, Wayne — Evaluation of Formability in Bending/Hemming of Aluminum Alloys Using Plane-Strain Tensile Tests. **131**, 051009
Lin, Po Ting, Jaluria, Yogesh, and Gea, Hae Chang — Parametric Modeling and Optimization of Chemical Vapor Deposition Process. **131**, 011011
Lin, Zhong-qin — (see Wang, Wu-rong) **131**, 064501(TB)
Liu, C. — (see Lei, M. K.) **131**, 031013
Liu, Gang — (see Chen, Zezhong C.) **131**, 014501(TB)
Liu, J. H. — (see Lu, Z. L.) **131**, 041018
Lu, Z. L., Liu, J. H., and Shi, Y. S. — Microstructures and Properties of Cu–AISI304 Parts Fabricated by Improved Selective Laser Sintering. **131**, 041018
Luo, HongGen — (see Zhu, LiMin) **131**, 011006
Luo, Y. F., and Tao, Jia — Metal Removal in EDM Driven by Shifting Secondary Discharge. **131**, 031014

Mahabunphachai, Sasawat, Koç, Muammer, and Ni, Jun — Pressure Welding of Thin Sheet Metals: Experimental Investigations and Analytical Modeling. **131**, 041003
Mantwill, Frank — (see Ungemach, Georg) **131**, 011005
Martínez-López, Alejandro — (see Elías-Zúñiga, Alex) **131**, 064504(TB)
Martínez-Romero, Oscar — (see Elías-Zúñiga, Alex) **131**, 064504(TB)
Mathurin, Florestan, Guillot, Jean, Stéphan, Pierre, and Daidié, Alain — 3D Finite Element Modeling of an Assembly Process With Thread Forming Screw. **131**, 041015
Matsumoto, I. — (see Wang, Z. G.) **131**, 041006
Mears, Laine, Roth, John T., Djurdjanovic, Dragan, Yang, Xiaoping, and Kurfess, Thomas — Quality and Inspection of Machining Operations: CMM Integration to the Machine Tool. **131**, 051006
Melkote, Shreyes N. — (see Singh, Ramesh) **131**, 011013
____ (see Brun, Xavier F.) **131**, 031018
Miao, S. M. — (see Lei, M. K.) **131**, 031013
Mirapolsky, Alexander, and Fischer, Anath — Extended Geometric Filter for Reconstruction as a Basis for Computational Inspection. **131**, 051001
Morales, Fernando, Talamantes-Silva, José, Valtierra, Salvador, Pérez-Unzueta, Alberto J., and Colás, Rafael — Cast-In Hypereutectic Aluminum Liners for Engine-Blocks. **131**, 014502(TB)
Morita, Hideki — (see Yamamoto, Koji) **131**, 051002
Munro, Chris — (see Walczyk, Daniel) **131**, 021009

Nagesh, K. V. — (see Kore, S. D.) **131**, 034502(TB)
Naït-Abdelaziz, M. — (see Aour, B.) **131**, 031016
Ngaile, Gracious, and Yang, Chen — Analytical Model for the Characterization of the Guiding Zone Tribotest for Tube Hydroforming. **131**, 021008
Ni, Jun — (see Ambani, Saumil) **131**, 031009
____ (see Li, Lin) **131**, 031010
____ (see Mahabunphachai, Sasawat) **131**, 041003
____ (see Wang, Yong) **131**, 051015

Obeidat, Suleiman M. — (see Gilbert, Robin C.) **131**, 041001
Ohmura, Etsuji — (see Yamamoto, Koji) **131**, 051002
Osawa, Sonko — (see Kondo, Yohan) **131**, 051016
Oztekin, Asil — (see Kong, Zhenyu) **131**, 051010

Pacheco-Bolívar, Jovanny — (see Elías-Zúñiga, Alex) **131**, 064504(TB)
Pan, Ershun, Ye, Liang, Shi, Jianjun, and Chang, Tzyy-Shuh — On-Line Bleeds Detection in Continuous Casting Processes Using Engineering-Driven Rule-Based Algorithm. **131**, 061008
Park, Jung-Seo — (see Kim, Young-Bum) **131**, 021007
Park, S. — (see Sadasivam, B.) **131**, 011010
Peddieson, John — (see Perivilli, Satish) **131**, 011007
Pei, Z. J. — (see Qin, Na) **131**, 041011
____ (see Cao, Jian) **131**, 064505(TB)
Pérez-Unzueta, Alberto J. — (see Morales, Fernando) **131**, 014502(TB)
Perivilli, Satish, Peddieson, John, and Cui, Jie — Friction Stir Welding Heat Transfer: Quasisteady Modeling and Its Validation. **131**, 011007
Perry, Tyler L., Werschmoeller, Dirk, Duffie, Neil A., Li, Xiaochun, and Pfefferkorn, Frank E. — Examination of Selective Pulsed Laser Micropolishing on Microfabricated Nickel Samples Using Spatial Frequency Analysis. **131**, 021002
____, **Werschmoeller, Dirk, Li, Xiaochun, Pfefferkorn, Frank E., and Duffie, Neil A.** — The Effect of Laser Pulse Duration and Feed Rate on Pulsed Laser Polishing of Microfabricated Nickel Samples. **131**, 031002
Pfefferkorn, Frank E. — (see Perry, Tyler L.) **131**, 021002
____ (see Perry, Tyler L.) **131**, 031002
Polar, A., and Indacochea, J. E. — Microstructural Assessment of Copper Friction Stir Welds. **131**, 031012
Pongs, Guido — (see Wang, Fei) **131**, 011014
Pratt, P. — (see Wang, L.) **131**, 051008
Puzovic, R. — (see Tanovic, LJ.) **131**, 064507(TB)

Qian, Xiaoping — (see Zhang, Dongdong) **131**, 011001
Qin, Na, Pei, Z. J., Treadwell, C., and Guo, D. M. — Physics-Based Predictive Cutting Force Model in Ultrasonic-Vibration-Assisted Grinding for Titanium Drilling. **131**, 041011
Quadrini, Fabrizio, and Santo, Loredana — Selective Laser Sintering of Resin-Coated Sands—Part I: The Laser-Material Interaction. **131**, 011004

Rajawat, R. K. — (see Kore, S. D.) **131**, 034502(TB)
Raman, Shivakumar — (see Gilbert, Robin C.) **131**, 041001
Ramkumar, J. — (see Kar, Kamal K.) **131**, 011009
Raphaelson, Steven — (see Greco, Aaron) **131**, 061005
Ravikumar, N. L. — (see Kar, Kamal K.) **131**, 011009
Ray, Pascal — (see Bonnemains, Thomas) **131**, 041013
Rodríguez, Ciro A. — (see Elías-Zúñiga, Alex) **131**, 064504(TB)
Roth, John T. — (see Suprock, Christopher A.) **131**, 021003
_____ (see Kronenberger, Thomas J.) **131**, 031003
_____ (see Mears, Laine) **131**, 051006
_____ (see Khalilollahi, Amir) **131**, 064503(TB)
Rubino, G. — (see Barletta, M.) **131**, 041009

Sadasivam, B., Hizal, A., Park, S., and Arola, D. — An Evaluation of Abrasive Waterjet Peening With Elastic Prestress. **131**, 011010
Saka, Nannaji — (see Hsiao, Wen-Kai) **131**, 021010
Samuel, J., Dikshit, A., DeVor, R. E., Kapoor, S. G., and Hsia, K. J. — Effect of Carbon Nanotube (CNT) Loading on the Thermomechanical Properties and the Machinability of CNT-Reinforced Polymer Composites. **131**, 031008
Sanders, Anthony P., Tikekar, Nishant, Lee, Curtis, and Chandran, K. S. Ravi — Surface Hardening of Titanium Articles With Titanium Boride Layers and its Effects on Substrate Shape and Surface Texture. **131**, 031001
Santo, Loredana — (see Quadrini, Fabrizio) **131**, 011004
Sarma, D. K., and Dixit, U. S. — Environment-Friendly Strategies for Efficient Utilization of Cutting Tools in Finish Turning. **131**, 064506(TB)
Sasajima, Kazuyuki — (see Kondo, Yohan) **131**, 051016
Sathiyamoorthy, D. — (see Kar, Kamal K.) **131**, 011009
Sato, Osamu — (see Kondo, Yohan) **131**, 051016
Sencer, Burak, Altintas, Yusuf, and Croft, Elizabeth — Modeling and Control of Contouring Errors for Five-Axis Machine Tools—Part I: Modeling. **131**, 031006
_____, **and Altintas, Yusuf** — Modeling and Control of Contouring Errors for Five-Axis Machine Tools—Part II: Precision Contour Controller Design. **131**, 031007
Sezer, H. K., and Li, L. — Mechanisms of Acute Angle Laser Drilling Induced Thermal Barrier Coating Delamination. **131**, 051014
Shah, Ritesh — (see Wang, Jyhwen) **131**, 011012
Shen, Xinwei, and Lei, Shuting — Thermal Modeling and Experimental Investigation for Laser Assisted Milling of Silicon Nitride Ceramics. **131**, 051007
Shi, Jianjun — (see Izquierdo, L. Eduardo) **131**, 041008
_____ (see Pan, Ershun) **131**, 061008
Shi, Y. S. — (see Lu, Z. L.) **131**, 041018
Shiakolas, Panos S. — (see Uppal, Nitin) **131**, 051018
Shin, Jong-Gye — (see Kim, Young-Bum) **131**, 021007
_____ (see Lee, Dongyul) **131**, 041012
Shin, Seungwon, and Chung, Haseung — Modeling of Melting, Evaporating, and Resolidifying Procedure in Laser-Induced Metal Processing. **131**, 024501(TB)
Siddiq, A., and Ghassemieh, E. — Theoretical and FE Analysis of Ultrasonic Welding of Aluminum Alloy 3003. **131**, 041007
Singh, Ramesh, and Melkote, Shreyes N. — Force Modeling in Laser-Assisted Microgrooving Including the Effect of Machine Deflection. **131**, 011013
Söderberg, Rikard — (see Wärmefjord, Kristina) **131**, 051017
Sorrentino, L., Carrino, L., Tersigni, L., and Leone, A. — Innovative Tape Placement Robotic Cell: High Flexibility System to Manufacture Composite Structural Parts With Variable Thickness. **131**, 041002
Ståhl, Jan-Eric — (see Vedmar, Lars) **131**, 061003
Stéphan, Pierre — (see Mathurin, Florestan) **131**, 041015
Stępień, Piotr — Regular Surface Texture Generated by Special Grinding Process. **131**, 011015
Stevenson, Robin — (see Gao, Dalong) **131**, 061002
Su, Wei-Jyun — (see Tseng, Yih-Tun) **131**, 041016
Sun, Li, Kim, Yong-Ha, Kim, Dave (Dae-Wook), and Kwon, Patrick — Densification and Properties of 420 Stainless Steel Produced by Three-Dimensional Printing With Addition of Si_3N_4 Powder. **131**, 061001
Suprock, Christopher A., Roth, John T., and Downey, Larry M. — Endmill Condition Monitoring and Failure Forecasting Method for Curvilinear Cuts of Nonconstant Radii. **131**, 021003

Tailor, Piyushkumar B. — (see Kar, Kamal K.) **131**, 011009
Talamantes-Silva, José — (see Morales, Fernando) **131**, 014502(TB)
Tanovic, L.J., Bojanic, P., Puzovic, R., and Klimenko, S. — Experimental Investigation of Microcutting Mechanisms in Marble Grinding. **131**, 064507(TB)
Tao, Jia — (see Luo, Y. F.) **131**, 031014
Tersigni, L. — (see Sorrentino, L.) **131**, 041002
Tian, X. Y. — (see Li, M. G.) **131**, 034501(TB)
Tikekar, Nishant — (see Sanders, Anthony P.) **131**, 031001
Tiryakioğlu, Murat — (see Campbell, Benjamin) **131**, 031011
Trafalis, Theodore B. — (see Gilbert, Robin C.) **131**, 041001
Treadwell, C. — (see Qin, Na) **131**, 041011
Tseng, Yih-Tun, Huang, Jhong-Bin, and Su, Wei-Jyun — Fabricating Lensed Fiber Using a Novel Polishing Method. **131**, 041016
Tunc, L. T. — (see Budak, E.) **131**, 051019

Ungemach, Georg, and Mantwill, Frank — Efficient Consideration of Contact in Compliant Assembly Variation Analysis. **131**, 011005
Uppal, Nitin, and Shiakolas, Panos S. — Process Sensitivity Analysis and Resolution Prediction for the Two Photon Polymerization of Micro/Nano Structures. **131**, 051018

Valtierra, Salvador — (see Morales, Fernando) **131**, 014502(TB)
Vedmar, Lars, Andersson, Carin, and Ståhl, Jan-Eric — A Parametric Analysis of the Undeformed Chip Geometry in Gear Hobbing. **131**, 061003
Vukelic, Sinisa, Wang, Youneng, Kysar, Jeffrey W., and Yao, Y. Lawrence — Dynamic Material Response of Aluminum Single Crystal Under Microscale Laser Shock Peening. **131**, 031015
_____ (see Wang, Youneng) **131**, 041014

Walczyk, Daniel, and Munro, Chris — Modeling and Analysis of an Active Reconfigurable Fixturing Device Using a Bed of Pins Lowered on a Moving Platen. **131**, 021009
Waltz, Richard A. — (see Zhou, Chi) **131**, 061004
Wang, Fei, Chen, Yang, Klocke, Fritz, Pongs, Guido, and Yi, Allen Y. — Numerical Simulation Assisted Curve Compensation in Compression Molding of High Precision Aspherical Glass Lenses. **131**, 011014
Wang, Jyhwen, Shah, Ritesh, Huang, Yu-Hsuan, and Chang, Der-Form — An Analysis of Polymer Coated Metal Rod Extrusion. **131**, 011012
Wang, L., Pratt, P., Felicelli, S. D., El Kadiri, H., Berry, J. T., Wang, P. T., and Horstemeyer, M. F. — Pore Formation in Laser-Assisted Powder Deposition Process. **131**, 051008

Wang, Liang, Felicelli, Sergio D., and Craig, James E. — Experimental and Numerical Study of the LENS Rapid Fabrication Process. **131**, 041019
Wang, P. T. — (see Wang, L.) **131**, 051008
Wang, Pei-Chung — (see Gao, Dalong) **131**, 061002
Wang, Q. Jane — (see Greco, Aaron) **131**, 061005
Wang, Wei, Li, Gang, and Huang, Yong — Modeling of Bubble Expansion-Induced Cell Mechanical Profile in Laser-Assisted Cell Direct Writing. **131**, 051013
Wang, Wu-rong, Hou, Bo, Lin, Zhong-qin, and Xia, Z. Cedric — An Engineering Approach to Improve the Stamping Robustness of High Strength Steels. **131**, 064501(TB)
Wang, X. — (see Lei, M. K.) **131**, 031013
Wang, Yong, Li, Lin, Ni, Jun, and Huang, Shuhong — Form Tolerance Evaluation of Toroidal Surfaces Using Particle Swarm Optimization. **131**, 051015
Wang, Youneng — (see Vukelic, Sinisa) **131**, 031015
____, Kysar, Jeffrey W., Vukelic, Sinisa, and Yao, Y. Lawrence — Spatially Resolved Characterization of Geometrically Necessary Dislocation Dependent Deformation in Microscale Laser Shock Peening. **131**, 041014
Wang, Z. G., Kobayashi, S., Matsumoto, I., Yamazaki, K., Cheng, X., and Delplanque, J.-P. — Systematic Study of Ultrasonic Vibration Assisted Electron Beam Irradiation Process. **131**, 041006
Wärmefjord, Kristina, Carlson, Johan S., and Söderberg, Rikard — A Measure of the Information Loss for Inspection Point Reduction. **131**, 051017
Warren, A. W., and Guo, Y. B. — Characteristics of Residual Stress Profiles in Hard Turned Versus Ground Surfaces With and Without a White Layer. **131**, 041004
Werschmoeller, Dirk — (see Perry, Tyler L.) **131**, 021002
____ (see Perry, Tyler L.) **131**, 031002
Wu, Lin — (see Zhang, Hua-Jun) **131**, 021004

Xia, Z. Cedric — (see Wang, Wu-rong) **131**, 064501(TB)
Xin, J. P. — (see Lei, M. K.) **131**, 031013

Yamamoto, Koji, Hasaka, Noboru, Morita, Hideki, and Ohmura, Etsuji — Crack Propagation in Glass by Laser Irradiation Along Laser Scribed Line. **131**, 051002
Yamazaki, K. — (see Wang, Z. G.) **131**, 041006
Yang, Chen — (see Ngaile, Gracious) **131**, 021008
Yang, Pinghai — (see Zhang, Dongdong) **131**, 011001
Yang, Tiebao, Hu, Henry, Chen, Xiang, Chu, Yeou-li, and Cheng, Patrick — A Correlation Analysis of Cooling-Induced Temperature Changes. **131**, 011003
Yang, Xiaoping — (see Mears, Laine) **131**, 051006
Yao, Y. Lawrence — (see Vukelic, Sinisa) **131**, 031015
____ (see Wang, Youneng) **131**, 041014
____ (see Bhatla, Anubha) **131**, 051004
Yao, Zhenqiang — (see Hu, Yongxiang) **131**, 031017
Ye, Chang — (see Gao, Huang) **131**, 051011
Ye, Liang — (see Pan, Ershun) **131**, 061008
Yi, Allen Y. — (see Wang, Fei) **131**, 011014
Yilbas, B. S. — (see Akhtar, S. S.) **131**, 054502(TB)
Yim, Hyunjune — (see Lee, Dongyul) **131**, 041012
You, Mingyi — (see Li, Lin) **131**, 031010
Yuan, Wenqiao — (see Cao, Jian) **131**, 064505(TB)

Zaïri, F. — (see Aour, B.) **131**, 031016
Zhang, Dongdong, Yang, Pinghai, and Qian, Xiaoping — Adaptive NC Path Generation From Massive Point Data With Bounded Error. **131**, 011001
Zhang, Guang-Jun — (see Zhang, Hua-Jun) **131**, 021004
Zhang, Hua-Jun, Zhang, Guang-Jun, Cai, Chun-Bo, Gao, Hong-Ming, and Wu, Lin — The Realization of Low Stress and Nonangular Distortion by Double-Sided Double Arc Welding. **131**, 021004
Zhang, Song, and Guo, Y. B. — Taguchi Method Based Process Space for Optimal Surface Topography by Finish Hard Milling. **131**, 051003
Zhang, XiaoMing — (see Zhu, LiMin) **131**, 041017
Zhang, Yuwen — (see Zhou, Jianhua) **131**, 031004
Zhao, Xin, Kalya, Prabhanjana, Landers, Robert G., and Krishnamurthy, K. — Empirical Dynamic Modeling of Friction Stir Welding Processes. **131**, 021001
Zheng, Gang — (see Zhu, LiMin) **131**, 041017
Zheng, Yu, and Chew, Chee-Meng — Efficient Procedures for Form-Closure Grasp Planning and Fixture Layout Design. **131**, 041010
Zhou, Chi, Chen, Yong, and Waltz, Richard A. — Optimized Mask Image Projection for Solid Freeform Fabrication. **131**, 061004
Zhou, Huamin — (see Li, Jianhui) **131**, 011008
Zhou, Jianhua, Zhang, Yuwen, and Chen, J. K. — Numerical Simulation of Random Packing of Spherical Particles for Powder-Based Additive Manufacturing. **131**, 031004
Zhou, Ming — (see Zhu, Xiangqun) **131**, 054503(TB)
Zhu, LiMin, Luo, HongGen, and Ding, Han — Optimal Design of Measurement Point Layout for Workpiece Localization. **131**, 011006
____, Zhang, XiaoMing, Zheng, Gang, and Ding, Han — Analytical Expression of the Swept Surface of a Rotary Cutter Using the Envelope Theory of Sphere Congruence. **131**, 041017
Zhu, X. P. — (see Lei, M. K.) **131**, 031013
Zhu, Xiangqun, Zhou, Ming, Dai, Qixun, and Cheng, Gary J. — Deformation Modes in Stainless Steel During Laser Shock Peening. **131**, 054503(TB)